

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 03/00879

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04J14/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LAM CEDRIC F ET AL: "EXPERIMENTAL DEMONSTRATION OF SPECTRALLY ENCODED OPTICAL CDMA SYSTEMS USING MACH-ZEHNDER ENCODER CHAINS" CONFERENCE ON LASERS AND ELECTRO-OPTICS. CLEO '98. TECHNICAL DIGEST. CONFERENCE EDITION. SAN FRANCISCO, CA, MAY 3 - 8, 1998, OSA TECHNICAL DIGEST SERIES, VOL 6, NEW YORK, NY : IEEE, US, vol. CONF. 18, 3 May 1998 (1998-05-03), page 455, XP002211340 ISBN: 0-7803-4417-0	1-19, 47, 49, 55, 56, 60, 61
A	the whole document	20-46, 48, 50-54, 57-59, 62, 63
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

25 August 2004

Date of mailing of the international search report

31/08/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 1 309 116 A (CIT ALCATEL) 7 May 2003 (2003-05-07)</p> <p>paragraph '0002! paragraph '0009! paragraph '0012! - paragraph '0013! paragraph '0015! - paragraph '0016! paragraph '0019! - paragraph '0025!</p> <p>-----</p>	<p>1-11,13, 15,16, 47,49, 55,56, 60,61</p>
X	<p>EP 1 115 222 A (NIPPON TELEGRAPH &amp; TELEPHONE) 11 July 2001 (2001-07-11) paragraph '0001! paragraph '0005! - paragraph '0010! paragraph '0041! - paragraph '0046!</p>	<p>1,20,26, 27,31,32</p>
A	<p>paragraph '0062! paragraph '0064! paragraph '0067! paragraph '0087! - paragraph '0096! paragraph '0098! - paragraph '0104! paragraph '0128! - paragraph '0142!</p> <p>-----</p>	<p>2-19, 21-25, 28-30, 33-63</p>
A	<p>US 6 628 864 B2 (RICHARDSON DAVID JOHN ET AL) 30 September 2003 (2003-09-30) column 1, line 7 - line 12 column 3, line 41 - line 67 column 10, line 16 - line 62 column 11, line 49 - column 12, line 15</p> <p>-----</p>	<p>1-63</p>
A	<p>MIN S-S ET AL: "Time-wavelength hybrid optical CDMA system with tunable encoder/decoder using switch and fixed delay-line" OPTICS COMMUNICATIONS, NORTH-HOLLAND PUBLISHING CO. AMSTERDAM, NL, vol. 216, no. 4-6, 15 February 2003 (2003-02-15), pages 335-342, XP004409720 ISSN: 0030-4018 page 336, right-hand column - page 337, right-hand column figures 3,4</p> <p>-----</p>	<p>1-63</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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